

[0094] ABSTRACT OF THE DISCLOSURE

[0095] An address lookup table in a multiport switch is implemented as a plurality of address sub-tables. Entries in the address sub-tables are stored at row addresses based on a hash of the information in the entry. Entries in the address sub-tables are stored in one of the address sub-tables, as determined by pre-selected information relating to the entry. For example, the least significant bit of a source or destination MAC address may be used to select between two address sub-tables. In this manner, the total memory size of the address table can be increased relative to a single address sub-table while decreasing the length of the longest chain and the length of the average chain.